

● EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 61121379
 PUBLICATION DATE : 09-06-86

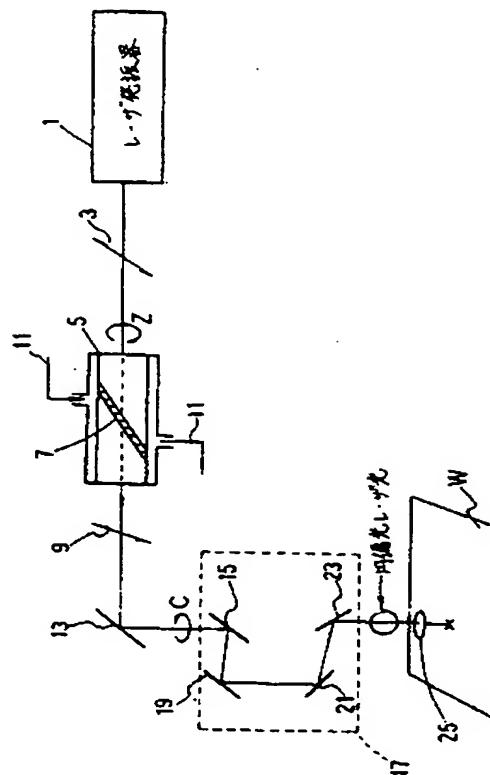
APPLICATION DATE : 19-11-84
 APPLICATION NUMBER : 59242432

APPLICANT : AMADA CO LTD;

INVENTOR : KIMURA MASAO;

INT.CL. : H01S 3/101

TITLE : METHOD AND APPARATUS FOR MODULATING LASER OUTPUT



ABSTRACT : PURPOSE: To obtain a laser output having desired stable intensity by projecting linearly polarized laser beams to a Brewster window rotatably mounted centering around an incident optical axis at a Brewster angle, turning the Brewster window and modulating the intensity of transmitting laser beams.

CONSTITUTION: Laser beams 3 from a linearly polarized type laser oscillator 1 are outputted as linearly polarized beams having the predetermined direction of polarization, and projected to a laser-output modulator 5 revolving around a Z axis by a rotary mechanism mounted outside the oscillator 1 at a Brewster angle. The state of polarized beams projected to a Brewster window 7 in the modulator 5 is changed by the revolution of the window 7, and transmitting laser beams 9 are controlled. Accordingly, the intensity of a projecting laser can be varied while laser outputs from the laser oscillator are kept constant at all times, thus stably acquiring the laser having desired intensity.

COPYRIGHT: (C)1986,JPO&Japio